

WHAT is CLAIMED.

- 1). An apparatus having telescopic arms for transfer of loads, comprising:
a first telescopic arm exhibiting a lower portion which is rotatably constrained about a first horizontal hinge axis arranged on a support base associated to a frame of a vehicle;
a first motor for rotating the first telescopic arm into a plurality of positions comprised between a lower horizontal position and a raised position of maximum inclination with respect to a horizontal position;
a second telescopic arm associated to an upper portion of the first telescopic arm;
a terminal load support group for a load, which terminal load support group is mounted on a front end of the second telescopic arm;
wherein the upper portion of the first telescopic arm is aligned with a longitudinal axis of the first telescopic arm and the second telescopic arm is rotatably constrained to the upper portion about a second horizontal hinge axis which is parallel to the first hinge axis;
and wherein it comprises a second motor for rotating the second telescopic arm about the second horizontal hinge axis.
- 2). The apparatus of claim 1, wherein the second motor rotates the second telescopic arm into operative positions comprised between a first extreme position, in which the second telescopic arm is aligned with the first telescopic arm and a second extreme position in which the second telescopic arm is angled transversally with respect to the first telescopic arm.

- 3). The apparatus of claim 1, wherein the terminal load support group of the load is rotatably constrained to the front end of the second telescopic arm about a third horizontal hinge axis which is parallel to the first hinge axis and to the second hinge axis, and characterised in that it comprises a third motor for rotating the support group about the third horizontal hinge axis.
- 4). The apparatus of claim 3, wherein it comprises at least a first sensor for detecting angular displacements, associated to the first telescopic arm, at least a second sensor of angular displacements associated to the second telescopic arm, at least a third sensor of angular displacements, associated to the terminal load support group, and an electronic control unit for processing the data arriving from the first, second and third sensors and for emitting command signals at least to the third motor in order to maintain a constant angle for the load support group with respect to ground level when an inclination of the first telescopic arm and the second telescopic arm is varied.
- 5). The apparatus of claim 3, wherein the first, second and third motors comprise at least one hydraulic actuator for each hinge axis.
- 6). The apparatus of claim 1, wherein the support base is rotatable with respect to the frame of the vehicle about a vertical rotation axis.